Toxic Substance Control Act PCB/Radioactive Waste Annual Inventory for Calendar Year 1998

July 1999



Idaho National Engineering and Environmental Laboratory Bechtel BWXT Idaho. LLC

Toxic Substance Control Act PCB/Radioactive Waste Annual Inventory for Calendar Year 1998

July 1999

Idaho National Engineering and Environmental Laboratory Lockheed Martin Idaho Technologies Company Idaho Falls, Idaho 83415

Prepared for the
U.S. Department of Energy
Assistant Secretary for Environmental Management
Under DOE Idaho Operations Office
Contract DE-AC07-94ID13223

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Continuing Attempts to Secure Disposal of PCB/Radioactively

Contaminated Waste

Continuing Attempts to Secure Disposal of PCB/Radioactively Contaminated Waste and PCB/Radioactive Waste Inventory

The Toxic Substance Control Act regulations of 40 CFR 761.65(ii) require a written record documenting all continuing attempts to secure disposal of PCB/radioactive waste. The written record must be available for inspection or submission to EPA if requested. EPA Region 10 has requested the information be submitted to the agency on or before July 15 for the previous calendar year. Included with the information on attempts to secure disposal of PCB/Radioactive waste, The Department of Energy has been requested to submit an inventory of PCB/Radioactive waste in storage on the INEEL for the previous calendar year.

The following are the attempts made to by the INEEL to secure disposal of PCB/Radioactive waste:

- 1) Forty eight containers totaling approximately 270,000 kg of PCB bulk product waste were disposed since the effective date of the new rule (August 28,1998). The PCB bulk product waste consists of concrete and steel painted with PCB contaminated paint. The PCB bulk product waste is being placed in the Sub-Surface Disposal facility located the Radioactive Waste Management Complex. See attached PCB/Radioactive waste inventory for individual containers and weights. The disposal of PCB bulk product is continuing in calendar year 1999 and it is anticipated that the numbers of containers and total volume of PCB bulk product waste disposed will be much larger.
- 2) A TSCA disposal permit and a RCRA Part B permit application for the Advanced Mixed Waste Incinerator has been submitted to EPA and the State of Idaho for review and approval. The Department of Energy has received funding from congress to continue the project. Construction of the facility will not start until approval from the EPA and State of Idaho has been received. Operation of the incinerator is not expected until the year 2003.

PCB/Radioactive Waste Inventory

For Calendar Year 1998

Container ID #	PCB Waste Description	Quantity	Weight	008
11042	Debris	1	11	8/29/80
11308	Liquid analytical residues	1	29	8/29/80
11399	V-tank analysis residues	1	18	8/29/80
11628	PCB ballasts	1	1	10/17/96
11699	Sample waste	1	12	8/29/80
11931	Paint Chips	1	152	9/29/96
12411	Debris	1	99	2/15/97
12416	Paint Chips	1	21	3/27/97
12427	Debris	1	108	6/10/97
12833	Paint Chips	1	175	6/22/97
12837	Paint Chips	1	205	7/19/97
12845	Debris	1	98	6/19/97
12880	Paint Chips	1	96	5/17/98
12883	Paint Chips	1	66	5/18/98
12885	Paint Chips	1	73	6/1/98
12886	Paint Chips	1	87	5/29/98
12896	Paint Chips	1	6	10/14/97
12897	Debris	1	21	10/22/97
12898	Paint Chips	1	56	5/4/98
12899	Paint Chips	1	56	6/2/98
12969	Paint Chips	1	4	4/1/97
12983	Painted metal	1	43	2/3/97
12989	Paint Chips	1	136	9/24/97
13001	PCB contaminated material	1	44	10/5/97
13002	Paint chips	1	205	11/26/97
13036	Paint Chips	1	6	10/8/97
13049	Paint Chips	1	85	2/14/98
14366k	Paint Chips	1	186	4/13/97
14377k	Debris	1	31	4/22/97

Container ID #	PCB Waste Description	Quantity	Weight	008
14378k	Paint Chips	1	192	5/11/97
14728k	Piping	1	4	10/23/97
14913k	Debris and paint chips	1	16	1/28/97
15077k	Treatability study soil samples	1	27	8/29/80
16071k	Concrete, debris	1	750	12/23/97
16317k	MTRU lab analytical waste	1	98	1/1/79
16358k	Solid analysis residues	1	22	8/29/80
16359k	Liquid analysis residues	1	3	8/29/80
16361k	Liquid analysis residues	1	5	8/29/80
16385k	Lab solvent residues w/listed codes	. 1	9	8/29/80
16386k	Lab solvent residues w/listed codes	1	11	8/29/80
16840k	Concrete, debris	i	1,227	12/4/97
16841k	Concrete cores, debris	1	568	3/3/97
16848k	Incinerable Debris (TNC 97- 100)	1	409	1/6/98
16997k	Debris (ANL-W)	1	41	3/26/98
17266k	Piping and drains	1	166	8/1/96
17267k	Piping and drains	1	170	8/1/96
17268k	Piping and drains	1	164	8/1/96
17269k	Piping and drains	1	54	8/1/96
17346k	V-tank Sample Returns (Altered and Unaltered)	1	48	8/29/80
17347k	V-tank Sample Returns (Altered and Unaltered)	1	46	8/29/80
17348k	V-tank Sample Returns (Altered and Unaltered)	1	64	8/29/80
17349k	V-tank Sample Returns (Altered and Unaltered)	1-	76	8/29/80
17350k	V-tank Sample Returns (Altered and Unaltered)	1	90	8/29/80

Container ID #	PCB Waste Description	Quantity	Weight	200
17351k	V-tank Sample Returns (Altered and Unaltered)	1	79	8/29/80
17645k	Acidic Lab Waste w/INTEC codes & PCBs	1	64	6/9/98
17651k	Acidic Lab Waste w/INTEC codes & PCBs	1	5	5/28/98
17652k	Organic solvent waste w/INTEC codes & PCBs	1	6	5/28/98
18455k	MTRU Lab Analytical Waste w/PCBs	1	60	1/1/79
18463k	WIPP waste (CPP-602-224)	1	9	4/14/98
18493k	Acidic Lab Waste w/INTEC codes & PCBs	1	82	5/12/98
18502k	V-tank Analysis Residues	1	9	8/29/80
18503k	V-tank Analysis Residues	1	30	8/29/80
18504k	V-tank Analysis Residues	1	11	8/29/80
18508k	Acidic Analysis Residues w/INTEC codes & PCBs	1	9	4/16/98
19580k	V-tank Sample Returns (Altered and Unaltered)	1	40	8/29/80
19581k	V-tank Sample Returns (Altered and Unaltered)	1	16	8/29/80
19582k	V-tank Sample Returns (Altered and Unaltered)	1	21	8/29/80
19583k	V-tank Sample Returns (Altered and Unaltered)	1	22	8/29/80
19584k	V-tank Sample Returns (Altered and Unaltered)	1	38	8/29/80
19585k	V-tank Sample Returns (Altered and Unaltered)	1	37	8/29/80
19586k	V-tank Sample Returns (Altered and Unaltered)	1	38	8/29/80
19591k	V-tank Sample Returns (Altered and Unaltered)	1	36	8/29/80
19592k	V-tank Sample Returns (Altered and Unaltered)	1	20	8/29/80

Container ID #	PCB Waste Description	Quantity	Weight	008
19593k	V-tank Sample Returns (Altered and Unaltered)	1	32	8/29/80
19595k	V-tank Sample Returns (Altered and Unaltered)	1	68	8/29/80
19596k	V-tank Sample Returns (Altered and Unaltered)	1	28	8/29/80
19600k	V-tank Sample Returns (Altered and Unaltered)	1	26	8/29/80
19601k	V-tank Sample Returns (Altered and Unaltered)	1	9	8/29/80
20119k	Paint Chips	1	32	6/18/98
20122k	Paint Chips	1	182	6/18/98
20137k	Paint Chips	1	2	1/28/98
20146k	Paint Chips	1	4	2/25/98
20148k	Paint Chips	1	45	7/8/98
20153k	Paint Chips	1	18	9/11/98
20202k	Roof slab, 1D	1	13,955	3/26/97
20203k	Wall piece (WP-24)	1	5,345	9/4/97
20204k	Roof slab RS-1-D	1	14,205	3/18/97
20205k	Roof slab RS-D1	1	13,864	3/26/97
20206k	Wall piece WP-22	1	12,600	8/22/97
20207k	Wall piece, WP-20	1	12,591	8/9/97
20213k	Moveable shield door	1	4,318	12/4/96
20273k	Paint Chips	1	64	7/30/98
20279k	Paint Chips	1	4	10/30/98
20283k	Debris	1	53	4/8/98
20295k	Sample debris	1	7	10/14/98
20300k	Paint chips	1	4	6/22/98
20312k	Paint chips	1	21	3/14/98
20488k	A1W Fans & Vacuum Hose	1	1,850	3/3/98
20489k	A1W Fans	1	1,650	3/3/98

Container ID #	PCB Waste Description	Quantity	Weight	008
20490k	Painted metal, debris	1	2,400	2/3/97
20491k	Painted metal	1	1,673	9/25/98
20492k	Painted Metal	1	2,249	1/21/98
20504k	TNC-98-33	1	933	10/3/97
20512k	Painted metal	1	2,028	9/29/98
20514k	Center support	1	911	1/11/97
20515k	Center support	1	955	1/25/97
20516k	Center support	1	925	1/29/97
20517k	Painted concrete	1	2,273	8/6/97
20518k	Painted concrete	1	1,818	8/6/97
20519k	Wall Piece (WP), WP-32A	1	864	1/17/98
20680k	Painted concrete	1	12,218	8/9/97
20681k	Wall piece, WP-43	1	2,838	11/27/97
20682k	Painted concrete	1	13,182	8/7/97
20684k	Painted concrete	1	11,818	7/30/97
20685k	Painted concrete	1	4,591	7/30/97
20686k	Painted concrete	1	12,500	7/31/97
20687k	HC1A Door plug	1	9,545	3/25/97
20688k	Painted concrete	1	681	8/1/97
20689k	Painted concrete	1	636	8/1/97
20691k	Painted concrete	1	636	7/27/97
20692k	Painted concrete	1	13,250	7/24/97
20693k	Painted concrete	1	13,636	6/10/97
20694k	Painted concrete	1	13,250	7/15/97
20695k	Painted concrete	1.	114	2/28/97
20696k	Painted concrete	1	114	2/28/97
20697k	Painted concrete	1	7,955	6/12/97
20712k	Painted concrete	1	9,800	5/10/97
20713k	Painted concrete	1	8,182	5/11/97

Container ID #	PCB Wasta Description	Quantity	Weight	008
20714k	Painted concrete	1	7,659	6/14/97
20715k	Painted concrete	1	7,955	6/13/97
20716k	Painted concrete	1	13,633	6/11/97
20717k	Painted concrete	1	11,545	6/3/97
20718k	Painted concrete	1	7,659	5/25/97
20719k	Painted concrete	. 1	2,006	5/24/97
20720k	Painted concrete	1	8,909	5/23/97
20721k	Painted concrete	1	14,795	4/17/97
20722k	Painted concrete	1	8,273	5/15/97
20723k	Debris	1	76	3/10/94
20724k	PCB Contaminated Waste	1	111	4/7/98
20725k	PCB Contaminated Waste	1	125	1/28/98
20827k	TNC-98-223	1	3,886	7/12/96
20851k	Paint chips, heavy metal debris	1	50	11/24/98
21187k	Debris	1	43	9/16/98
22523k	Painted concrete	1	8,273	5/15/97
22524k	Painted concrete	1	12,863	5/14/97
22525k	Painted concrete	1	3,636	5/6/97
22528k	Painted concrete	1	8,864	5/11/97
22529k	Painted concrete	1	8,409	5/11/97
22554k	Painted steel, debris	1	1,545	10/1/96
22555k	Concrete cores, debris	1	864	10/22/97
22556k	TNC-98-228	1	2,334	12/20/96
22558k	Concrete cores, debris	1	2,568	3/27/97
22559k	Painted steel, debris	1	2,191	8/19/96
22560k	Painted steel, debris	1	2,618	12/20/96
22561k	Concrete cores, debris	1	1,443	8/14/97
22563k	Painted concrete	1	977	1/3/97
22564k	TNC-98-185	1	3,461	1/25/97

Container ID #	PCB Wasta Description	Quantity	Weight	008
22565k	TNC-98-148	1	4,750	7/12/96
22566k	TNC-98-224	1		7/12/96
22567k	TNC-98-227	1	2,018	7/12/96
24126N	Paint chips, heavy metal debris	1	49	11/4/98
24127N	Paint chips, heavy metal debris	1	20	10/29/98
24128N	Paint chips, asbestos debris	1	36	10/1/98
55-98-337-72-F	Paint chips	1		7/12/96
97-01	V-tank sample debris	1	45	8/29/80
97-02	V-tank sample debris	1	45	8/29/80
97-03	V-tank sample debris	1	45	8/29/80
97-04	V-tank sample debris	1	45	8/29/80
97-05	V-tank sample debris	1	45	8/29/80
97-06	V-tank sample debris	1	45	8/29/80
97-HW-179	Containers	1	2	5/23/97
97-HW-276	Containers	1	3	5/23/97
98CW016	V-tank samples (TAN-608-108-A)	1	18	8/29/80
98CW034	V-tank samples (TAN-608-108-A)	1	2	8/29/80
98CW036	V-tank samples (TAN-607-108-A)	1	18	8/29/80
ANL-94-016	Used oil and light ballasts	1	127	7/6/93
ANL-95-068	Used oil and light ballasts	1	206	8/1/95
ANL-97-192	MLLW debris from HFEF-WCA	1	65	10/12/97
B22-1	Painted concrete	1	8,977	3/18/97
B22-10	Painted concrete	1	12,727	4/14/97
B22-11	Painted concrete	1	7,659	4/26/97
B22-12	Painted concrete	1	7,659	4/26/97
B22-13	Painted concrete	1	12,136	4/24/97
B22-14	Painted concrete	1	12,864	4/28/97
B22-15	Painted concrete	1	10,591	4/30/97

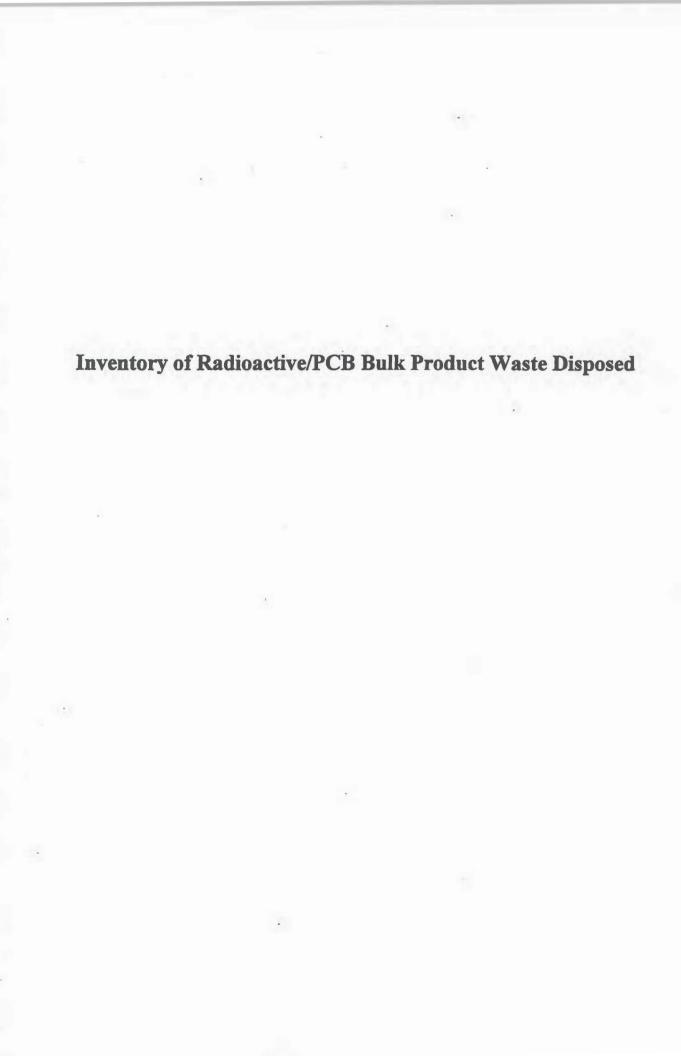
Container ID #	PCB Waste Description	Quantity	Weight	800
B22-16	Painted concrete	1	11,758	4/30/97
B22-17	Painted concrete	1	7,624	5/1/97
B22-18	Painted concrete	1	7,727	5/1/97
B22-19	Painted concrete	1	9,636	5/1/97
B22-20	Painted concrete	1	10,364	5/3/97
B22-22	Painted concrete	1	8,182	5/8/97
B22-23	Painted concrete	1	4,455	5/9/97
B22-28	Painted concrete	1	12,136	5/13/97
B22-4	Painted concrete	1	5,932	3/1/97
B22-5	Painted concrete	1	5,300	2/28/97
B22-6	Painted concrete	1	955	10/20/96
B22-7	Painted concrete	1	955	10/20/96
B22-8	Painted concrete	1	7,659	3/20/97
B22-9	Painted concrete	1	- 10,909	4/9/97
Cell 12,2	1 Bag, 2 Pipe protectors	1	2	11/6/98
D-1	Large steel base	1	6,363	7/12/96
D-2	Metcell side wall	1	3,636	7/12/96
D-3	Metcell rear wall	1	1,446	7/12/96
D-4	Metcell front wall	1	1,410	7/12/96
D-5	Kim Wipes	1.	4	3/8/97
D-6	Light fixture	1	5	3/8/97
ID-BCO-000	Containers	44		1/1/79
ID-BCO-203/203T	Sludge	32		1/1/79
ID-RFO-000/000T	Sludge	2958		1/1/79
ID-RFO-003/003T	Sludge	4613		1/1/79
INEL10719	Debris	1	36	4/13/93
INEL10720	Debris	1	75	4/13/93
INEL11031	Debris	1	10	6/10/96
INEL11074	Absorbed hexane and acid mixture	1	12	8/29/80

Container ID #	PCB Waste Description	Quantity	Weight	008
INEL11076	Oil	1	186	8/29/80
INEL11077	Oil	1	209	8/29/80
INEL11078	Oil	1	159	8/29/80
INEL11079	Oil	1	209	8/29/80
INEL11080	Oil	1	156	8/29/80
INEL11081	Oil	1	65	8/29/80
INEL11082	Rinsate	1	58	8/29/80
INEL11083	Rinsate	1	56	8/29/80
INEL11084	Debris	1	57	8/29/80
INEL11085	Debris	1	58	8/29/80
INEL11086	Debris	1	49	8/29/80
INEL11225	V-tank analysis residues	1	49	8/29/80
INEL11235	V-tank analysis residues	1	5	8/29/80
INEL11550	Debris	1	42	8/29/80
INEL11938	Paint Chips	1	21	4/13/96
INEL13056	Treatability study residue - liquid samples	1	5	6/16/95
INEL13058	Treatability study residue - liquid samples	1	5	6/16/95
INEL7779	Debris	1	60	3/18/94
INEL7780	Debris	1	54	3/18/94
INEL7781	Debris	.1	50	3/18/94
INEL7801	Debris	1	54	4/3/95
INEL7804	Treatability study residue - liquid samples	1	10	6/22/95
INEL8991	Paint w/PCBs	1	3	9/18/95
INEL9463	Maxim lab samples	1	49	8/20/96
INEL9467	Maxim lab samples	1	35	8/20/96
INEL9473	Maxim lab samples	1	23	8/20/96
INEL9474	Maxim lab samples	1	34	8/30/93
NEL9475	Maxim lab samples	1	145	8/30/93

Container ID #	PCB Waste Description	Quantity	Weight	008
INEL9476	Maxim lab samples	1	145	8/20/96
INEL9477	Maxim lab samples	. 1	145	8/30/93
INEL9478	Maxim lab samples	1	145	8/30/93
INEL9849	Treatability study residue - liquid samples	1	18	6/22/95
INEL9852	Treatability study residue	1	32	8/29/80
INEL9874	Treatability study residue - liquid samples	1	3	6/22/95
no ID (ARA,1)	Containers of sludge	31	7,415	9/25/96
no ID (ARA,2)	Containers of solid	8	545	10/1/96
no ID (ARA,3)	Container of liquid	1	50	10/7/96
no ID (ARA,4)	Containers of sludge, liquid	5	107	10/15/96
no ID (TAN-624)	Boxes of Debris, PPE	2549	14,873	4/10/97
SPSAA-1	V-tank sample waste (CPP-602-227-B)	1	6	10/19/98
TNC-95-1132	Shielding	1	732	10/15/98
TNC-98-053	Painted items, insulation	1	440	10/28/98
TS-100	WAPD 39-1 and skid	1	8,182	3/25/98
TS-107	Light ballast	1	191	6/10/98
TS-134	Ballasts	1	202	8/14/98
TS-158	55-97-219-63-F, PCB Painted Lead	1		12/20/96
TS-22	Painted steel	1	2,955	10/12/96
TS-23	Painted concrete	1	6,364	12/21/96
TS-77	Shield box	1	386	10/1/97
TS-87	Wall piece, WP-32	1	14,048	12/5/97
TS-91	Debris	1	364	2/14/97
TS-96	AE-8 Painted bracket	1	2	3/26/98
V 1-1	V-tank samples (TAN-607-108-A)	1	20	8/29/80
V 1-2	V-tank samples (TAN-607-108-A)	1	20	8/29/80

Centainer ID #	PCB Waste Description	Quantity	Weight	008
V 1-3	V-tank samples (TAN-607-108-A)	1	20	8/29/80
V-1	Sludge tank	1	1,970	8/29/80
V-2	Sludge tank	1	1,970	8/29/80
V-3	Sludge tank	1	2,465	8/29/80
V-9	Sludge tank	1	1,210	8/29/80
Grand Total		10505	650,464	

- 1. Containers with OOS dates of 1/1/79 are estimated, or pre-1980 OOS dates.
- 2. Where no weight is listed, weight is unknown.
- 3. Container # 95-068 was received from Mare Island Naval Shipyard and placed into storage at the INEEL on 1/3/96.
- 4. Containers associated with wastestream ID-RFO-003/003T and ID-RFO-000/000T are organic sludges and unknown wastes respectively, generated at Rocky Flats prior to 1980 and stored at the INEEL. Wastes are known or suspected to contain PCBs, but have not been fully characterized. Quantity estimates are based on EDF-RWMC-604 dated 6/3/93. Containers are in multiple storage areas at the Radioactive Waste Management Complex (RWMC).
- 5. Containers associated with wastestream ID-BCO-203/203T and ID-BCO-000 are suspect/potential PCBs and unknown wastes respectively, from Battelle Columbus Laboratories. Containers stored at the RWMC.
- 6. Where "No ID" is entered as the Container ID #, containers are not individually marked.
- 7. ID # V-1, V-2, V-3 and V-9 (tanks) quantities of liquid and sludge are estimated. Tanks V-1, V-2, and V-3 are estimated also to contain 1164, 1076, and 5818 gallons of non-PCB contaminated water, respectively.
- 8. The quantity entry of 2,549 is an estimated number of boxes.



Radioactive PCB Bulk Product Waste Disposed Idaho National Engineering and Environmental Laboratory Calendar Year 1998

Container ID #	PCB Waste Description:	Quantity	Weight (kgs)	Date Disposes
19255k	Wall piece (WP), WP-5	1	15,432	10/7/98
19258k	Center support, Cell 7 & 8	1	693	10/7/98
19259k	Center support	1	923	10/7/98
19260k	Center support	1	925	10/7/98
19261k	Center support	1	1,191	10/7/98
19276k	Center support, Cell 6 & 7	1	909	10/14/98
19277k	Center support beam 4B & 4C	1	909	10/14/98
19278k	Wall piece (WP), WP-34	1	3,377	10/14/98
19279k	Wall piece (WP), WP-36	1	3,886	10/14/98
19280k	Painted concrete	1	3,377	10/14/98
19283k	Roof slab	1	8,545	10/21/98
19284k	Painted concrete	1	8,409	10/21/98
19285k	Painted concrete	1	8,409	10/21/98
19286k	Vent covers, shielding	1	682	10/28/98
19289k	Shield Wall 8 & 9 w/Plenum	1	8,520	10/28/98
19290k	ECF Metcell side wall item #5	1	4,410	10/28/98
19291k	Wall piece (WP), WP-28	1	13,667	10/26/98
19292k	Wall piece (WP), WP-41	1	13,636	11/4/98
20166k	Wall piece (WP), WP-25	1	7,727	11/9/98
20167k	Door slab, IDE	1	14,773	11/9/98
20175k	Roof slab, 1C-East	1	9,545	11/18/98
20176k	Roof slab, 1C	1	15,045	11/18/98
20177k	Roof slab, RS-4-A	1	13,864	11/23/98
20178k	Roof slab, RS-4-B	1	12,909	11/23/98
20179k	Painted Metal	1	1,167	12/16/98
20180k	Painted Metal	1	979	12/16/98
20181k	Painted Metal	1	1,768	12/16/98
20182k	Painted Metal	1	1,414	12/16/98
20187k	Wall piece (WP), WP-33	1	2,955	11/25/98
20188k	Wall piece (WP), WP-18	1	4,200	11/25/98
20190k	Wall piece (WP), WP-35	1	2,850	12/3/98

Radioactive PCB Bulk Product Waste Disposed Idaho National Engineering and Environmental Laboratory Calendar Year 1998

Container ID #	PCB Waste Description:	Quantity	Weight (kgs)	Date Disposed
20191k	Hot cell, stub wall, lower, 6 & 7	1	2,773	12/3/98
20192k	Hot cell, stub wall, top, 7 & 8	1	2,773	12/3/98
20193k	Hot cell, stub wall, 7 & 8	1	2,773	12/3/98
20194k	Painted concrete	1	2,884	12/10/98
20195k	Hot cell, stub wall, upper, 6 & 7	1	4,582	12/10/98
20196k	Wall piece (WP), WP-21	1	11,836	12/10/98
20197k	Door 4A	1	15,455	12/9/98
20198k	Painted concrete	1	11,137	12/16/98
20199k	1C stub wall	1	4,582	12/16/98
20200k	Wall piece (WP), WP- 42A	1	2,341	12/16/98
20201k	Roof slab, 4C	1	13,636	12/21/98
20211k	Wall piece (WP), WP- 25A	1	1,227	11/2/98
20265k	Painted metal	1	1,050	12/16/98
20266k	Painted Metal	1	1,130	12/16/98
20510k	Painted Metal	1	1,219	12/23/98
20511k	Painted Metal	1	976	12/23/98
20513k	Painted Metal	1	1,376	12/23/98

Grand Total 48 268,846